Shu Gao

List of Publications by Citations

166 papers	4,427 citations	35 h-index	61 g-index
177 ext. papers	5,283 ext. citations	3.6 avg, IF	5.74 L-index

#	Paper	IF	Citations
166	Holocene development of the Yellow River's subaqueous delta, North Yellow Sea. *Marine Geology*, **2004**, 209, 45-67	3.3	486
165	Net sediment transport patterns inferred from grain-size trends, based upon definition of "transport vectors". *Sedimentary Geology*, **1992**, 81, 47-60	2.8	190
164	Holocene sedimentary systems on continental shelves. *Marine Geology*, **2014**, 352, 268-294	3.3	143
163	Sediment transport over an accretional intertidal flat with influences of reclamation, Jiangsu coast, China. *Marine Geology*, **2012**, 291-294, 147-161	3.3	134
162	Socio-economic impacts on flooding: a 4000-year history of the Yellow River, China. *Ambio*, **2012**, 41, 682-98	6.5	122
161	Changes in material fluxes from the Changjiang River and their implications on the adjoining continental shelf ecosystem. *Continental Shelf Research*, **2008**, 28, 1490-1500	2.4	115
160	Fate of sediments delivered to the sea by Asian large rivers: Long-distance transport and formation of remote alongshore clinothems. *The Sedimentary Record*, **2009**, 7, 4-9	3.3	114
159	Changes in water and sediment exchange between the Changjiang River and Poyang Lake under natural and anthropogenic conditions, China. *Science of the Total Environment*, **2014**, 481, 542-53	10.2	113
158	Last deglaciation in the Okinawa Trough: Subtropical northwest Pacific link to Northern Hemisphere and tropical climate. *Paleoceanography*, **2005**, 20, n/a-n/a		110
157	The Shandong mud wedge and post-glacial sediment accumulation in the Yellow Sea. *Geo-Marine Letters*, **2001**, 21, 212-218	1.9	92
156	Modeling the tidal channel morphodynamics in a macro-tidal embayment, Hangzhou Bay, China. *Continental Shelf Research*, **2009**, 29, 1757-1767	2.4	90
155	Is "Morphodynamic Equilibrium" an oxymoron?. *Earth-Science Reviews*, **2017**, 165, 257-267	10.2	88
154	Sediment resuspension, flocculation, and settling in a macrotidal estuary. *Journal of Geophysical Research: Oceans*, **2013**, 118, 5591-5608	3.3	83
153	Grain size trends associated with net sediment transport patterns: An example from the Belgian continental shelf. *Marine Geology*, **1994**, 121, 171-185	3.3	78
152	Net sediment transport patterns over the Bohai Strait based on grain size trend analysis. *Estuarine, Coastal and Shelf Science*, **2004**, 60, 203-212	2.9	74
151	Sedimentary facies and evolution in the Qiantang River incised valley, eastern China. *Marine Geology*, **2005**, 219, 235-259	3.3	69
150	A FORTRAN program for grain-size trend analysis to define net sediment transport pathways. *Computers and Geosciences*, **1996**, 22, 449-452	4.5	65

149	Modulation of Extreme Flood Levels by Impoundment Significantly Offset by Floodplain Loss Downstream of the Three Gorges Dam. *Geophysical Research Letters*, **2018**, 45, 3147-3155	4.9	60
148	Water and sediment movement in the vicinity of linear sandbanks: the Norfolk Banks, southern North Sea. *Marine Geology*, **1995**, 123, 125-142	3.3	60
147	Will river erosion below the Three Gorges Dam stop in the middle Yangtze?. *Journal of Hydrology*, **2017**, 554, 24-31	6	56
146	Distal mud deposits associated with the Pearl River over the northwestern continental shelf of the South China Sea. *Marine Geology*, **2014**, 347, 43-57	3.3	55
145	Tidal Inlet Equilibrium, in Relation to Cross-sectional Area and Sediment Transport Patterns. *Estuarine, Coastal and Shelf Science*, **1994**, 38, 157-172	2.9	49
144	Tidally-induced Flow Structure Over Intertidal Flats. *Estuarine, Coastal and Shelf Science*, **1998**, 46, 233-250	2.9	48
143	Environment-ecosystem dynamic processes of Spartina alterniflora salt-marshes along the eastern China coastlines. *Science China Earth Sciences*, **2014**, 57, 2567-2586	4.6	44
142	Modeling the formation of a sand bar within a large funnel-shaped, tide-dominated estuary: Qiantangjiang Estuary, China. *Marine Geology*, **2012**, 299-302, 63-76	3.3	43
141	Shoal morphodynamics of the Changjiang (Yangtze) estuary: Influences from river damming, estuarine hydraulic engineering and reclamation projects. *Marine Geology*, **2017**, 386, 32-43	3.3	42
140	Turbidity maximum formation in a well-mixed macrotidal estuary: The role of tidal pumping. *Journal of Geophysical Research: Oceans*, **2014**, 119, 7705-7724	3.3	42
139	Numerical modeling of tidal currents, sediment transport and morphological evolution in Hangzhou Bay, China. *International Journal of Sediment Research*, **2013**, 28, 316-328	3	40
138	Facies architecture and depositional model of a macrotidal incised-valley succession (Qiantang River estuary, eastern China), and differences from other macrotidal systems. *Bulletin of the Geological Society of America*, **2014**, 126, 499-522	3.9	39
137	Local human activities overwhelm decreased sediment supply from the Changjiang River: Continued rapid accumulation in the Hangzhou Bay-Qiantang Estuary system. *Marine Geology*, **2017** , 392, 66-77	3.3	39
136	Modeling the growth limit of the Changjiang Delta. *Geomorphology*, **2007**, 85, 225-236	4.3	39
135	Tide-induced suspended sediment transport: Depth-averaged concentrations and horizontal residual fluxes. *Continental Shelf Research*, **2012**, 34, 53-63	2.4	37
134	Modeling the preservation potential of tidal flat sedimentary records, Jiangsu coast, eastern China. *Continental Shelf Research*, **2009**, 29, 1927-1936	2.4	37
133	Sediment retention at the Changjiang sub-aqueous delta over a 57 year period, in response to catchment changes. *Estuarine, Coastal and Shelf Science*, **2011**, 95, 29-38	2.9	36
132	Efficient colonization and harpins mediated enhancement in growth and biocontrol of wilt disease in tomato by Bacillus subtilis. *Letters in Applied Microbiology*, **2013**, 57, 526-33	2.9	35

131	Holocene shelf-coastal sedimentary systems associated with the Changjiang River: An overview. *Acta Oceanologica Sinica*, **2013**, 32, 4-12	1	33
130	Sediment accumulation and retention of the Changjiang (Yangtze River) subaqueous delta and its distal muds over the last century. *Marine Geology*, **2018**, 401, 2-16	3.3	32
129	Resuspension and advection processes affecting suspended particulate matter concentrations in the central English Channel. *Journal of Sea Research*, **1997**, 38, 17-34	1.9	32
128	Modeling profile shape evolution for accreting tidal flats composed of mud and sand: A case study of the central Jiangsu coast, China. *Continental Shelf Research*, **2011**, 31, 1750-1760	2.4	30
127	Sediment dynamic processes of the Yuehu inlet system, Shandong Peninsula, China. *Estuarine, Coastal and Shelf Science*, **2003**, 57, 783-801	2.9	30
126	Heavy metal accumulation reflecting natural sedimentary processes and anthropogenic activities in two contrasting coastal wetland ecosystems, eastern China. *Journal of Soils and Sediments*, **2016**, 16, 1093-1108	3.4	29
125	Anthropogenic, Direct Pressures on Coastal Wetlands. *Frontiers in Ecology and Evolution*, **2020**, 8,	3.7	29
124	Delineating suspended sediment concentration patterns in surface waters of the Changjiang Estuary by remote sensing analysis. *Acta Oceanologica Sinica*, **2010**, 29, 38-47	1	28
123	High-resolution data collection for analysis of sediment dynamic processes associated with combined current-wave action over intertidal flats. *Science Bulletin*, **2006**, 51, 866-877	10.6	28
122	Rapid response of the Changjiang (Yangtze) River and East China Sea source-to-sink conveying system to human induced catchment perturbations. *Marine Geology*, **2019**, 414, 1-17	3.3	27
121	Role of delta-front erosion in sustaining salt marshes under sea-level rise and fluvial sediment decline. *Limnology and Oceanography*, **2020**, 65, 1990-2009	4.8	27
120	Influence of Spartina Colonization on the Supply and Accumulation of Organic Carbon in Tidal Salt Marshes of Northern Jiangsu Province, China. *Journal of Coastal Research*, **2012**, 280, 486-498	0.6	27
119	Variations in the transport, distribution, and budget of 210Pb in sediment over the estuarine and inner shelf areas of the East China Sea due to Changjiang catchment changes. *Journal of Geophysical Research F: Earth Surface*, **2017**, 122, 235-247	3.8	26
118	Erosion and Accretion on a Mudflat: The Importance of Very Shallow-Water Effects. *Journal of Geophysical Research: Oceans*, **2017**, 122, 9476-9499	3.3	25
117	Reservoir-induced changes to fluvial fluxes and their downstream impacts on sedimentary processes: The Changjiang (Yangtze) River, China. *Quaternary International*, **2018**, 493, 187-197	2	23
116	Holocene sedimentary systems on a broad continental shelf with abundant river input: processproduct relationships. *Geological Society Special Publication*, **2016**, 429, 223-259	1.7	23
115	Tide-induced vertical suspended sediment concentration profiles: phase lag and amplitude attenuation. *Ocean Dynamics*, **2011**, 61, 403-410	2.3	23
114	Environmental changes in Shamei Lagoon, Hainan Island, China: Interactions between natural processes and human activities. *Journal of Asian Earth Sciences*, **2012**, 52, 158-168	2.8	22

113	Methods to Improve Seed Yield of Leymus chinensis based on Nitrogen Application and Precipitation Analysis. *Agronomy Journal*, **2010**, 102, 277-281	2.2	22
112	Dynamic land use and its policy in response to environmental and social-economic changes in China: A case study of the Jiangsu coast (1750–2015). *Land Use Policy*, **2019**, 82, 169-180	5.6	22
111	Evolution status of the distal mud deposit associated with the Pearl River, northern South China Sea continental shelf. *Journal of Asian Earth Sciences*, **2015**, 114, 562-573	2.8	21
110	Modeling flood dynamics along the superelevated channel belt of the Yellow River over the last 3000 years. *Journal of Geophysical Research F: Earth Surface*, **2015**, 120, 1321-1351	3.8	21
109	The variations of sediment transport patterns in the outer Changjiang Estuary and Hangzhou Bay over the last 30 years. *Journal of Geophysical Research: Oceans*, **2017**, 122, 2999-3020	3.3	20
108	Sediment resuspension in tidally dominated coastal environments: new insights into the threshold for initial movement. *Ocean Dynamics*, **2016**, 66, 401-417	2.3	20
107	Relationship between bed shear stress and suspended sediment concentration: annular flume experiments. *International Journal of Sediment Research*, **2011**, 26, 513-523	3	20
106	Modeling suspended sediment distribution in continental shelf upwelling/downwelling settings. *Geo-Marine Letters*, **2002**, 22, 218-226	1.9	20
105	Modification to the Hardisty Equation, Regarding the Relationship Between Sediment Transport Rate and Particle Size. *Journal of Sedimentary Research*, **2001**, 71, 118-121	2.1	20
104	Variations in quantity, composition and grain size of Changjiang sediment discharging into the sea in response to human activities. *Hydrology and Earth System Sciences*, **2015**, 19, 645-655	5.5	18
103	Sediment and carbon accumulation in a small tidal basin: Yuehu, Shandong Peninsula, China. *Regional Environmental Change*, **2004**, 4, 63-69	4.3	18
102	Suspended particulate matter fluxes through the Straits of Dover, English Channel: observations and modelling. *Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie*, **2000**, 23, 687-700		18
101	Traditional coastal management practices and land use changes during the 16–20th centuries, Jiangsu Province, China. *Ocean and Coastal Management*, **2016**, 124, 10-21	3.9	17
100	Morphodynamic modeling of a large inside sandbar and its dextral morphology in a convergent estuary: Qiantang Estuary, China. *Journal of Geophysical Research F: Earth Surface*, **2017**, 122, 1553-1572	3.8	17
99	The macrobenthos in Spartina alterniflora salt marshes of the Wanggang tidal-flat, Jiangsu coast, China. *Ecological Engineering*, **2009**, 35, 1158-1166	3.9	17
98	Invading cord grass vegetation changes analyzed from Landsat-TM imageries: a case study from the Wanggang area, Jiangsu coast, eastern China. *Acta Oceanologica Sinica*, **2010**, 29, 26-37	1	17
97	Tidal inlet stability in response to hydrodynamic and sediment dynamic conditions. *Coastal Engineering*, **1994**, 23, 61-80	4.8	17
96	Investigating ENSO and WPWP modulated typhoon variability in the South China Sea during the mid-late Holocene using sedimentological evidence from southeastern Hainan Island, China. *Marine Geology*, **2019**, 416, 105987	3.3	16

95	A numerical investigation of freshwater and sediment discharge variations of Poyang Lake catchment, China over the last 1000 years. *Holocene*, **2015**, 25, 1470-1482	2.6	16
94	Net Sand Transport Direction in a Tidal Inlet, using Foraminiferal Tests as Natural Tracers. *Estuarine, Coastal and Shelf Science*, **1995**, 40, 681-697	2.9	16
93	Rapid formation of marsh-edge cliffs, Jiangsu coast, China. *Marine Geology*, **2017**, 385, 260-273	3.3	15
92	Physical and sedimentary processes on the tidal flat of central Jiangsu Coast, China: Headland induced tidal eddies and benthic fluid mud layers. *Continental Shelf Research*, **2017**, 133, 26-36	2.4	14
91	Sediment dynamic responses of coastal salt marsh to typhoon KAEMI in Quanzhou Bay, Fujian Province, China. *Science Bulletin*, **2009**, 54, 120-130		14
90	Morphodynamics of the Qiantang Estuary, China: Controls of river flood events and tidal bores. *Marine Geology*, **2018**, 406, 27-33	3.3	14
89	Multi-decadal morpho-sedimentary dynamics of the largest Changjiang estuarine marginal shoal: Causes and implications. *Land Degradation and Development*, **2019**, 30, 2048-2063	4.4	13
88	Scale-dependent characteristics of equilibrium morphology of tidal basins along the Dutch-German North Sea Coast. *Marine Geology*, **2014**, 348, 63-72	3.3	13
87	Modelling the equilibrium hypsometry of back-barrier tidal flats in the German Wadden Sea (southern North Sea). *Continental Shelf Research*, **2012**, 49, 90-99	2.4	13
86	Coupling bedform roughness and sediment grain-size sorting in modelling of tidal inlet incision. *Marine Geology*, **2016**, 381, 128-141	3.3	13
85	Remarked morphological change in a large tidal inlet with low sediment-supply. *Continental Shelf Research*, **2014**, 90, 79-95	2.4	12
84	Internal deformation of a muddy gravity flow and its interaction with the seafloor (site C0018 of IODP Expedition 333, Nankai Trough, SE Japan). *Landslides*, **2017**, 14, 849-860	6.6	12
83	Modeling interrelationships between morphological evolution and grain-size trends in back-barrier tidal basins of the East Frisian Wadden Sea. *Geo-Marine Letters*, **2014**, 34, 37-49	1.9	12
82	On the variability of near-bed floc size due to complex interactions between turbulence, SSC, settling velocity, effective density and the fractal dimension of flocs. *Geo-Marine Letters*, **2016**, 36, 135-149	1.9	12
81	Parameter estimation for a cohesive sediment transport model by assimilating satellite observations in the Hangzhou Bay: Temporal variations and spatial distributions. *Ocean Modelling*, **2018**, 121, 34-48	3	12
80	Modeling morphological change in anthropogenically controlled estuaries. *Anthropocene*, **2017**, 17, 70-83	3.9	11
79	Human-induced changes in sediment properties and amplified endmember differences: Possible geological time markers in the future. *Science of the Total Environment*, **2019**, 661, 63-74	10.2	11
78	Interpreting grain-size trends associated with bedload transport on the intertidal flats at Dafeng, central Jiangsu coast. *Science Bulletin*, **2006**, 51, 341-351		11

77	Sedimentation rates in the Wanggang salt marshes, Jiangsu. *Journal of Chinese Geography*, **2005**, 15, 199-209	3.7	11
76	The relationship between inundation duration and Spartina alterniflora growth along the Jiangsu coast, China. *Estuarine, Coastal and Shelf Science*, **2018**, 213, 305-313	2.9	11
75	Differentiating the effects of advection and resuspension on suspended sediment concentrations in a turbid estuary. *Marine Geology*, **2018**, 403, 179-190	3.3	11
74	Revisiting the problem of sediment motion threshold. *Continental Shelf Research*, **2019**, 187, 103960	2.4	10
73	Sediment transport in Yalu River estuary. *Chinese Geographical Science*, **2003**, 13, 157-163	2.9	10
72	Saline water intrusion in relation to strong winds during winter cold outbreaks: North Branch of the Yangtze Estuary. *Journal of Hydrology*, **2019**, 574, 1099-1109	6	9
71	Scaling properties of estuarine beaches. *Marine Geology*, **2018**, 404, 130-136	3.3	9
70	Typhoon events recorded in coastal lagoon deposits, southeastern Hainan Island. *Acta Oceanologica Sinica*, **2017**, 36, 37-45	1	9
69	Exploring records of typhoon variability in eastern China over the past 2000 years. *Bulletin of the Geological Society of America*, **2020**, 132, 2243-2252	3.9	9
68	Quantifying sediment storage on the floodplains outside levees along the lower Yellow River during the years 1580–1849. *Earth Surface Processes and Landforms*, **2019**, 44, 581-594	3.7	9
67	Sand-Mud Tidal Flat Morphodynamics Influenced by Alongshore Tidal Currents. *Journal of Geophysical Research: Oceans*, **2019**, 124, 3818-3836	3.3	8
66	Failure mechanism of transformer oil-immersed cellulosic insulation induced by sulfur corrosion. *Cellulose*, **2020**, 27, 7157-7174	5.5	8
65	Vertical Distributions of Suspended Sediment Concentrations in the Turbidity Maximum Zone of the Periodically and Partially Stratified Changjiang Estuary. *Estuaries and Coasts*, **2019**, 42, 1475-1490	2.8	8
64	ADCP measurements of suspended sediment flux at the entrance to Jiaozhou Bay, western Yellow Sea. *Acta Oceanologica Sinica*, **2013**, 32, 96-103	1	8
63	Spatial variation of suspended particulate matter in the Yellow Sea. *Geo-Marine Letters*, **2001**, 20, 196-200	1.9	8
62	Metagenomic comparison of structure and function of microbial community between water, effluent and shrimp intestine of higher place Litopenaeus vannamei ponds. *Journal of Applied Microbiology*, **2020**, 129, 243-255	4.7	8
61	On estimation of coastal wave parameters and wave-induced shear stresses. *Limnology and Oceanography: Methods*, **2018**, 16, 594-606	2.6	8
60	Sediment flux from the Zhoushan Archipelago, eastern China. *Journal of Chinese Geography*, **2018**, 28, 387-399	3.7	7

59	Extracting historic cyclone data from coastal dune deposits in eastern Hainan Island, China. *Sedimentary Geology*, **2019**, 392, 105524	2.8	7
58	Estimating Deposition Rates Using a Morphological Proxy ofSpartina alterniforaPlants. *Journal of Coastal Research*, **2013**, 292, 1452-1463	0.6	7
57	Latitudinal Response of Storm Activity to Abrupt Climate Change During the Last 6,500 Years. *Geophysical Research Letters*, **2020**, 47, e2020GL089859	4.9	7
56	Gravity anomaly in the southern South China Sea: a connection of Moho depth to the nature of the sedimentary basins' crust. *Geological Journal*, **2016**, 51, 244-262	1.7	7
55	Geomorphology and Sedimentology of Tidal Flats **2019**, 359-381		7
54	Modeling the effect of progressive grain-size sorting on the scale dependence of back-barrier tidal basin morphology. *Continental Shelf Research*, **2014**, 91, 26-36	2.4	6
53	Invasive Spartina alterniflora-induced factors affecting epibenthos distribution in coastal salt marsh, China. *Acta Oceanologica Sinica*, **2013**, 32, 81-88	1	6
52	Extreme floods of the Changjiang River over the past two millennia: Contributions of climate change and human activity. *Marine Geology*, **2021**, 433, 106418	3.3	6
51	On the sediment age estimated by 210Pb dating: probably misleading prolonging and multiple-factor-caused loss *Acta Oceanologica Sinica*, **2018**, 37, 30-39	1	6
50	Modeling the Deposition System Evolution of Accreting Tidal Flats: A Case Study from the Coastal Plain of Central Jiangsu, China. *Journal of Coastal Research*, **2015**, 31, 107	0.6	5
49	Use of the Cone Penetration Testing (CPT) method to interpret late Quaternary tide-dominated successions: A case study from the eastern China coastal plain. *Continental Shelf Research*, **2018**, 161, 49-57	2.4	5
48	Suspended sediment and total dissolved solid yield patterns at the headwaters of Urumqi River, northwestern China: a comparison between glacial and non-glacial catchments. *Hydrological Processes*, **2014**, 28, 5034-5047	3.3	5
47	Reconstructing environmental changes of a coastal lagoon with coral reefs in southeastern Hainan Island. *Chinese Geographical Science*, **2017**, 27, 402-414	2.9	5
46	Ecological functioning of free-living marine nematodes in coastal wetlands: an overview. *Science Bulletin*, **2014**, 59, 4692-4704		5
45	Process-based modeling of morphodynamics of a tidal inlet system. *Acta Oceanologica Sinica*, **2010**, 29, 51-61	1	5
44	Morphodynamic modelling of open-sea tidal channels eroded into a sandy seabed, with reference to the channel systems on the China coast. *Geo-Marine Letters*, **2008**, 28, 255-263	1.9	5
43	Classifying the sedimentary environments of the Xincun Lagoon, Hainan Island, by system cluster and principal component analyses. *Acta Oceanologica Sinica*, **2017**, 36, 64-71	1	4
42	A Methodology for Estimating the Parameters in Three-Dimensional Cohesive Sediment Transport Models by Assimilating In Situ Observations with the Adjoint Method. *Journal of Atmospheric and Oceanic Technology*, **2017**, 34, 1469-1482	2	4

41	Salt and Wetland: Traditional Development Landscape, Land Use Changes and Environmental Adaptation on the Central Jiangsu Coast, China, 1450–1900. *Wetlands*, **2019**, 39, 1089-1102	1.7	4
40	Quantitative reconstruction of Holocene sediment sources contributing to the central Jiangsu coast, China: New insights into source-to-sink processes. *Earth Surface Processes and Landforms*, **2020**, 45, 2463-2477	3.7	4
39	Environmental characteristics and land-use pattern changes of the Old Huanghe River delta, eastern China, in the sixteenth to twentieth centuries. *Sustainability Science*, **2016**, 11, 695-709	6.4	4
38	Threshold sediment flux for the formation of river deltas in Hainan Island, southern China. *Journal of Chinese Geography*, **2019**, 29, 146-160	3.7	3
37	Flow structure modification and drag reduction induced by sediment stratification in coastal tidal bottom boundary layers. *Estuarine, Coastal and Shelf Science*, **2020**, 241, 106829	2.9	3
36	Variations of wave parameter statistics as influenced by water depth in coastal and inner shelf areas. *Coastal Engineering*, **2020**, 159, 103714	4.8	3
35	Spatio-temporal characteristics of residential land growth in Hefei of Anhui Province, China. *Chinese Geographical Science*, **2007**, 17, 135-142	2.9	3
34	Settling velocity and drag coefficient of platy shell fragments. *Sedimentology*, **2020**, 67, 2095-2110	3.3	3
33	Early Holocene tidal flat evolution in a western embayment of East China Sea, in response to sea level rise episodes. *Quaternary Science Reviews*, **2020**, 250, 106642	3.9	3
32	Morphodynamics of a tidal ridge system in the southwestern Yellow Sea: HF radar study. *Estuarine, Coastal and Shelf Science*, **2018**, 206, 27-37	2.9	2
31	Spatial variations of tidal water level and their impact on the exposure patterns of tidal land on the central Jiangsu coast. *Acta Oceanologica Sinica*, **2010**, 29, 79-87	1	2
30	A sedimentological approach to P-A relationships for tidal inlet systems: an example from Yuehu Inlet, Shandong Peninsula, China. *Frontiers of Earth Science*, **2008**, 2, 262-268		2
29	Effects of Meretrix meretrix on sediment thresholds of erosion and deposition on an intertidal flat. *Ecohydrology and Hydrobiology*, **2021**, 21, 129-141	2.8	2
28	Coastal engineering evolution in low-lying areas and adaptation practice since the eleventh century, Jiangsu Province, China. *Climatic Change*, **2020**, 162, 799-817	4.5	1
27	Meiofauna and nematode community characteristics indicate ecological changes induced by geomorphic evolution: A case study on tidal creek systems. *Ecological Indicators*, **2018**, 87, 97-106	5.8	1
26	Modeling the dynamics of urban and ecological binary space for regional coordination: A case of Fuzhou coastal areas in Southeast China. *Habitat International*, **2018**, 72, 48-56	4.6	1
25	Frequency and magnitude variability of Yalu River flooding: numerical analyses for the last 1000 years. *Hydrology and Earth System Sciences*, **2020**, 24, 4743-4761	5.5	1
24	Longitudinal residual circulation in the South Passage of Yangtze Estuary: Combined influences from runoff, tide and bathymetry. *Science China Earth Sciences*, **2021**, 64, 2129	4.6	1

23	Sedimentary zonation shift of tidal flats in a meso-tidal estuary. *Sedimentary Geology*, **2020**, 407, 105749	2.8	1
22	An automated procedure to calculate the morphological parameters of superimposed rhythmic bedforms. *Earth Surface Processes and Landforms*, **2020**, 45, 3496-3509	3.7	1
21	Wetland Utilization and Adaptation Practice of a Coastal Megacity: A Case Study of Chongming Island, Shanghai, China. *Frontiers in Environmental Science*, **2021**, 9,	4.8	1
20	A late Holocene shift of typhoon activity recorded by coastal sedimentary archives in eastern China. *Sedimentology*,	3.3	1
19	Catchment□Coast Interactions in the Asia-Pacific Region **2006**, 67-92		1
18	Northwestern Pacific tropical cyclone activity enhanced by increased Asian dust emissions during the Little Ice Age.. *Nature Communications*, **2022**, 13, 1712	17.4	1
17	Centralization and decentralization: Coastal management pattern changes since the late 19th century, Jiangsu Province, China. *Marine Policy*, **2019**, 109, 103705	3.5	0
16	Identification, extraction and interpretation of multi-period variations of coastal suspended sediment concentration based on unevenly spaced observations. *Marine Geology*, **2022**, 445, 106732	3.3	0
15	Fluid mud dynamics in a tide-dominated estuary: A case study from the Yangtze River. *Continental Shelf Research*, **2022**, 232, 104623	2.4	0
14	Geomorphology and sediment dynamics of the Liyashan oyster reefs, Jiangsu Coast, China. *Acta Oceanologica Sinica*, **2021**, 40, 118-128	1	0
13	An eco-parametric method to derive sedimentation rates for coastal saltmarshes. *Science of the Total Environment*, **2021**, 770, 144756	10.2	0
12	Morphological evolution of river mouth spits: Wave effects and self-organization patterns. *Estuarine, Coastal and Shelf Science*, **2021**, 262, 107567	2.9	0
11	Recyclable NiO/sepiolite as adsorbent to remove organic dye and its regeneration.. *Scientific Reports*, **2022**, 12, 2895	4.9	0
10	Gravity-driven sediment flows on the shallow sea floor of a muddy open coast. *Marine Geology*, **2022**, 445, 106759	3.3	0
9	Long-term effect of perfluorooctanoic acid on the anammox system based on metagenomics: Performance, sludge characteristic and microbial community dynamic.. *Bioresource Technology*, **2022**, 351, 127002	11	0
8	Effects of PFOA on the physicochemical properties of anaerobic granular sludge: Performance evaluation, microbial community and metagenomic analysis.. *Journal of Environmental Management* , **2022**, 313, 114936	7.9	0
7	Extraction of morphometric bedform characteristics from profiling sonar datasets recorded in shallow coastal waters of China. *China Ocean Engineering*, **2012**, 26, 469-482	1.1	
6	Spatial variability and representation of seabed sediment grain sizes: An example from the Zhoushan-Jinshanwei transect, Hangzhou Bay, China. *Science Bulletin*, **2004**, 49, 2503-2507		

5	A critique of "Modeling suspended sediment distribution in continental shelf upwelling/downwelling settings" reply. *Geo-Marine Letters*, **2005**, 25, 387-388	1.9
4	Predicting sediment flux from continental shelf islands, southeastern China. *Journal of Oceanology and Limnology*, **2021**, 39, 472-482	1.5
3	Calculating the sediment flux of the small coastal watersheds: a modification of global equations. *Acta Oceanologica Sinica*, **2021**, 40, 147-154	1
2	Geometric modeling of Holocene large-river delta growth patterns, as constrained by environmental settings. *Science China Earth Sciences*, **2021**, 64, 318-328	4.6
1	Tracking historical storm records from high-barrier lagoon deposits on the southeastern coast of Hainan Island, China. *Acta Oceanologica Sinica*, **2021**, 40, 162-175	1